

ADJUSTABLE VALVE ROD AND PULL TUBE GUIDE FOR DOWNHOLE PUMPS

ABSTRACT OF THE DISCLOSURE

The guide has a barrel segment and a bushing segment. The barrel segment couples to the upper end of the pump barrel. The bushing segment has a bushing stop. The length of the guide is adjustable so as to vary the length of the bushing stop from the barrel. By varying the length of the guide, the travel of the plunger is adjusted to provide for a small compression chamber without the plunger contacting the barrel.